

**SUPPLEMENTAL
COMBINED DECLARATION AND POWER OF ATTORNEY**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: METHODS FOR DIAGNOSIS AND TREATMENT OF DISEASES OF MDK1 SIGNAL TRANSDUCTION DISORDERS the specification of which

is attached hereto.

X was filed on January 3, 1995 as Application Serial No. 08/368,776 and was amended on _____.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s):

(Number)	(Country)	(Day/Month/Year Filed)	Yes	No
(Number)	(Country)	(Day/Month/Year Filed)	Yes	No
(Number)	(Country)	(Day/Month/Year Filed)	Yes	No

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: Richard W. Warburg, Reg. No. 32,327.

(X) Kindly recognize as associate attorney:

Roland N. Smoot, Reg No. 18,718; Conrad R. Solum, Jr., Reg. No. 20,467; James W. Geriak, Reg. No. 20,233; Robert M. Taylor, Jr., Reg. No. 19,848; Samuel B. Stone, Reg. No. 19,297; Douglas E. Olson, Reg. No. 22,798; Robert E. Lyon, Reg. No. 24,171; Robert C. Weiss, Reg. No. 24,939; William E. Thomson, Jr., Reg. No. 29,719; Richard E. Lyon, Jr., Reg. No. 26,300; John D. McConaghy, Reg. No. 26,773; William C. Steffin, Reg. No. 26,811; Coe A. Bloomberg, Reg. No. 26,605; J. Donald McCarthy, Reg. No. 25,119; John M. Benassi, Reg. No. 27,483; James H. Shalek, Reg. No. 29,749; Allan W. Jansen, Reg. No. 29,035; Robert W. Dickerson, Reg. No. 29,914; Roy L. Anderson, Reg. No. 30,240; David B. Murphy, Reg. No. 31,125; James C. Brooks, Reg. No. 29,898; Jeffrey M. Olson, Reg. No. 30, 790; Steven D. Hemminger, Reg. No. 30,755; Jerrold B. Reilly, Reg. No. 32,293; Paul H. Meier, Reg. No. 32,274; Suzanne L. Biggs, Reg. No. 30,158; Steven M. Weiss, Reg. No. 37,534; F.T. Alexandra Mahaney, Reg. No. 37,668; Sheldon O. Heber, Reg. No. P38,179; Charles S. Berkman, Reg. No. P38,077; Jeffrey W. Guise, Reg. No. 34,613; and Anthony C. Chen, Reg. No. P38,673, of LYON & LYON, 611 West Sixth Street, Los Angeles, California 90017, Telephone (619) 552-8400.

Address all telephone calls to Richard J. Warburg, Esq., at telephone no. (619) 552-8400.

Address all correspondence to LYON & LYON, 611 West Sixth Street, Los Angeles, California 90017.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful and false statements may jeopardize the validity of the application or any patents issuing thereon.

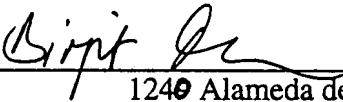
Full name of sole or first inventor: Thomas Ciossek

Inventor's signature _____ Date: _____
Residence: Elvira Strasse 13, 80636 Munich, Germany
Citizenship: German
Post Office Address: Elvira Strasse 13, 80636 Munich, Germany

Full name of sole or second inventor: Axel Ullrich

Inventor's signature  Date: 11/20/95
Residence: 70 Palmer Lane, Portola Valley, California 94028
Citizenship: German
Post Office Address: 70 Palmer Lane, Portola Valley, California 94028

Full name of inventor: Birgit Millauer

Inventor's signature  Date: 11/24/95
Residence: 1240 Alameda de las Pulgas, Apt. 202, Belmont, California 94002
Citizenship: German
Post Office Address: 1240 Alameda de las Pulgas, Apt. 202, Belmont, California 94002

RECORDATION FORM COVER SHEET

PATENTS ONLY

Tab settings □ □ □ □ □

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
 THOMAS CIOSEK
 AXEL ULLRICH
 BIRGIT MILLAUER

Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance:

- | | |
|--|---|
| <input checked="" type="checkbox"/> Assignment | <input type="checkbox"/> Merger |
| <input type="checkbox"/> Security Agreement | <input type="checkbox"/> Change of Name |
| <input type="checkbox"/> Other _____ | |

Execution Date: January 20, 1995

2. Name and address of receiving party(ies)

Name: MAX-PLANCK-GESELLSCHAFT ZUR
 FORDERUNG DER WEISSENSCHAFTEN
 Internal Address: GERMANY

Street Address: Hofgartenstrasse 280539 MunichCity: Munich State: GERMANY ZIP: _____Additional name(s) & address(es) attached? Yes No4. Application number(s) or patent number(s): 08/368,776 filed on January 3, 1995

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Richard J. WarburgInternal Address: SAN DIEGO OFFICEStreet Address: Suite 4700633 West Fifth StreetCity: Los Angeles State: CA ZIP: 900716. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41).....\$ 40.00 Enclosed Authorized to be charged to deposit account

8. Deposit account number:

12-2475

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Charles S. Berkman

Name of Person Signing

Cl KJ

Signature

March 31, 1995

Date

Total number of pages including cover sheet, attachments, and document: 15

ASSIGNMENT

For valuable consideration, we, Thomas CIOSSEK, Axel ULLRICH and Birgit MILLAUER of Elvira Strasse 13, 80636 Munich, Germany; of 70 Palmer Lane, Portola Valley, California 95028; of 1240 Alameda de las Pulgas, Apt. 202, Belmont, California 94002, hereby assign to Max-Planck-Gesellschaft zur Forderung der Wissenschaften, e.V., a non-profit organization having a place of business at Hofgartenstraße 2, 80539 Munich, Germany, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the invention and improvements which are the subject of an application for United States Patent signed by us this day, entitled METHODS FOR DIAGNOSIS AND TREATMENT OF DISEASES OF MDK1 SIGNAL TRANSDUCTION DISORDERS, filed on January 3, 1995, U.S. Serial No. 08/368,776, this assignment including said application, any and all United States and foreign patents granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this Assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal at _____, _____ this day of _____, 1995.

State of _____ : THOMAS CIOSSEK
 ss.
 County of _____ :

Before me this ___ day of _____, 19___, personally appeared THOMAS CIOSSEK known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he executed the same as his free act and deed for the purposes therein contained.

[Notary's
Seal Here]

Notary Public
My commission expires:

IN WITNESS WHEREOF, I hereto set my hand and seal at Redwood City, California this 20th day of January, 1995.

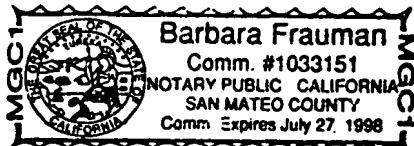


AXEL ULLRICH

State of California :
ss.
County of San Mateo :

Before me this 20th day of January, 1995 personally appeared AXEL ULLRICH known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he executed the same as his free act and deed for the purposes therein contained.

[Notary's Seal Here]




Barbara Frauman
Notary Public

My commission expires: 7/27/98

IN WITNESS WHEREOF, I hereto set my hand and seal at _____, _____ this day of 120, 1995

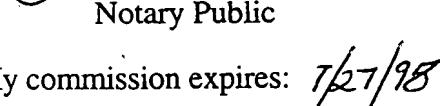


BIRGIT MILLAUER

State of California :
ss.
County of San Mateo :

Before me this 20th day of January, 1995, personally appeared BIRGIT MILLAUER known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that she executed the same as her free act and deed for the purposes therein contained.

[Notary's Seal Here]

Barbara Frauman
Notary Public

My commission expires: 7/27/98

ASSIGNMENT

For valuable consideration, we, Thomas CIOSSEK, Axel ULLRICH and Birgit MILLAUER of Elvira Strasse 13, 80636 Munich, Germany; of 70 Palmer Lane, Portola Valley, California 95028; of 1240 Alameda de las Pulgas, Apt. 202, Belmont, California 94002, hereby assign to Max-Planck-Gesellschaft zur Förderung der Wissenschaften, e.V., a non-profit organization having a place of business at Hofgartenstraße 2, 80539 Munich, Germany, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the invention and improvements which are the subject of an application for United States Patent signed by us this day, entitled METHODS FOR DIAGNOSIS AND TREATMENT OF DISEASES OF MDK1 SIGNAL TRANSDUCTION DISORDERS, filed on January 3, 1995, U.S. Serial No. 08/368,776, this assignment including said application, any and all United States and foreign patents granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this Assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal at Munich, Germany this day of 21-7, 1995.

State of _____ :
ss.
County of _____ :

Thomas Ciossek
THOMAS CIOSSEK

Before me this ____ day of _____, 19____, personally appeared THOMAS CIOSSEK known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he executed the same as his free act and deed for the purposes therein contained.

[Notary's
Seal Here]

Notary Public

My commission expires:

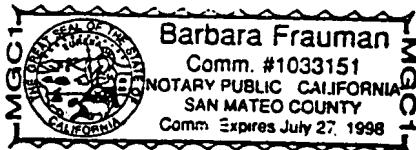
IN WITNESS WHEREOF, I hereto set my hand and seal at Redwood City, California this 20th day of January, 1995.

State of California :
ss.
County of San Mateo :

Axel Ullrich
AXEL ULLRICH

Before me this 20th day of January, 1995 personally appeared AXEL ULLRICH known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he executed the same as his free act and deed for the purposes therein contained.

[Notary's Seal Here]



Barbara Frauman
Notary Public

My commission expires: 7/27/98

IN WITNESS WHEREOF, I hereto set my hand and seal at _____, _____ this day of 120, 1995

B. M. & C.
BIRGIT MILLAUER

State of California :
ss.
County of San Mateo :

Before me this 20th day of January, 1995, personally appeared BIRGIT MILLAUER known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that she executed the same as her free act and deed for the purposes therein contained.

[Notary's Seal Here]



Barbara Frauman
Notary Public

My commission expires: 7/27/98

URNr. 0534 A/1995

Ich beglaubige die Echtheit der vorstehenden,
vor mir anerkannten Unterschrift von

Herrn Thomas Ciossek,
geb. am 13.08.1967, Doktorand,
wohnhaft Elvirastr. 13, 80636 München,

ausgewiesen durch Personalausweis.

München, den 17. Februar 1995



Muller

0534

File No. A/1995

I hereby certify that the above is the true signature,
acknowledged in my presence, of

Mr. Thomas Ciossek,
born 13.08.1967, doktorand,
of Elvirastr. 13. 80646 Munich,

identified by his identity-card.

Munich, the 17th of February 1995

Muller
Notary